

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/033698

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C279/28 C07C237/22 A61K31/17 A61K31/165 A61P25/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, CHEM ABS Data, BIOSIS, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 33 29 628 A1 (MIDIT SOCIETE FIDUCIAIRE; CONTINENTAL PHARMA INC., BRUESSEL/BRUXELLES, 22 March 1984 (1984-03-22) table I, examples 9, 13, 14, 41, 42 page 67, line 13; claims 1,18,22 -----	1,10-17
X	DATABASE BEILSTEIN BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002319731 Database accession no. BRN 8702792 abstract & L. M. DECK; E. P. PAPADOPOULOS: J. HETEROCYCL. CHEM., vol. 37, no. 4, 2000, pages 675-680, ----- -/--	1-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

2 March 2005

Date of mailing of the international search report

14/03/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 20 05 326 A1 (BADISCHE ANILIN- & SODA-FABRIK AG) 12 August 1971 (1971-08-12) examples 26-28 -----	1-6,8
X	DATABASE BEILSTEIN BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002319732 Database accession no. BRN 2808453 abstract & ELMORE: J. CHEM. SOC., 1961, pages 3161-3162, -----	1-3,5,6,8
X	DATABASE BEILSTEIN BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002319733 Database accession no. BRN 2993980 abstract & SUMINOV: MOSCOW UNIV. CHEM. BULL, vol. 22, no. 1, 1967, pages 57-75, -----	1-3,5-8
X	DATABASE BEILSTEIN BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002319734 Database accession no. BRN 7033473 abstract & L. I. MIZRAKH ET AL.: RUSS. J. GEN. CHEM., vol. 63, no. 3.2, 1993, pages 497-498, -----	1-3,5,6,8
X	DATABASE BEILSTEIN BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002319735 Database accession no. BRN 4450540, 4435773 abstract & V. MACHACEK ET AL.: COLLECT. CZECH. CHEM. COMMUN., vol. 52, no. 1, 1987, pages 140-155, -----	1-6
X	DATABASE BEILSTEIN BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002319736 Database accession no. BRN 7218655, 7218660 abstract ----- -/--	1-6

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	& LEE, YONG SUP ET AL.: HETEROCYCLES, vol. 38, no. 12, 1994, pages 2605-2614, ----- US 5 516 795 A (DELLARIA, JOSEPH F. ET AL) 14 May 1996 (1996-05-14) column 39, table 3, examples 58 and 59 -----	1,2,4-6
X	US 2 447 587 A (MARTIN HENRY ET AL) 24 August 1948 (1948-08-24) table 1, example 16 -----	1,10-12
X	DATABASE BEILSTEIN BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002319737 Database accession no. BRN 2669014 abstract & UGI ET AL.: CHEM. BER. 94, 1961, page 2814, -----	1,10-12
X	D. L. BOGER ET AL.: "Vancomycin and Ristocetin Models: Synthesis via the Ullmann Macrocyclization Reaction" J. ORG. CHEM., vol. 58, no. 6, 1993, pages 1425-1433, XP002319730 see scheme IV, compound 21 -----	1,10-12
A	WO 02/085866 A (ASTRAZENECA AB; CHENG, YUN-XING; TOMASZEWSKI, MIROSLAW; WALPOLE, CHRIS) 31 October 2002 (2002-10-31) cited in the application page 1, line 4 - line 8; claims; examples -----	

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 17 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 3329628	A1	22-03-1984	
		AU 1472788 A	27-10-1988
		AU 1814083 A	23-02-1984
		BE 897566 A1	16-12-1983
		CA 1256899 A1	04-07-1989
		CH 659466 A5	30-01-1987
		DE 3347867 A1	18-04-1985
		DK 373383 A	21-02-1984
		ES 8602608 A1	16-03-1986
		ES 8800658 A1	01-02-1988
		FI 832935 A	21-02-1984
		FR 2531950 A1	24-02-1984
		GB 2126224 A ,B	21-03-1984
		GR 77444 A1	14-09-1984
		IE 55872 B1	14-02-1991
		IL 69543 A	30-01-1987
		IT 1169767 B	03-06-1987
		JP 3022869 B	27-03-1991
		JP 59062555 A	10-04-1984
		KR 8700980 B1	16-05-1987
		LU 85043 A7	19-06-1985
		MA 19882 A1	01-04-1984
		MX 156348 A	09-08-1988
		NL 8302916 A	16-03-1984
		NO 832965 A ,B,	21-02-1984
		OA 7525 A	31-03-1985
		PT 77226 A ,B	01-09-1983
		SE 8304513 A	21-02-1984
		ZA 8306130 A	25-04-1984
DE 2005326	A1	12-08-1971	
		AT 304155 B	27-12-1972
		BE 762409 A1	02-08-1971
		BG 18573 A3	25-02-1975
		CS 166273 B2	27-02-1976
		DK 131651 B	18-08-1975
		FR 2078244 A5	05-11-1971
		GB 1329491 A	12-09-1973
		HU 162525 B	28-03-1973
		NL 7101368 A	10-08-1971
		TR 17768 A	01-07-1976
		US 3808262 A	30-04-1974
		ZA 7100545 A	24-11-1971
US 5516795	A	14-05-1996	NONE
US 2447587	A	24-08-1948	NONE
WO 02085866	A	31-10-2002	
		BG 108271 A	30-12-2004
		BR 0208907 A	20-04-2004
		CA 2444381 A1	31-10-2002
		CZ 20032833 A3	12-05-2004
		EE 200300524 A	16-02-2004
		EP 1390350 A1	25-02-2004
		HU 0303825 A2	01-03-2004
		JP 2004528334 T	16-09-2004
		MX PA03009558 A	12-02-2004
		NO 20034665 A	10-12-2003
		WO 02085866 A1	31-10-2002
		SK 13032003 A3	03-01-2005

Information on patent family members

PCT/US2004/033698

Patent document
cited in search report

Publication date

Patent family member(s)

Publication date

WO 02085866

A

US

2004116465 A1

17-06-2004